

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/AT 02/00058

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F02P23/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 48221 A (EARLY JAMES W ;UNIV CALIFORNIA (US); LESTER CHARLES S (US)) 29 October 1998 (1998-10-29) page 5, line 7 -page 9, line 4 page 14, line 6 - line 9 page 17, line 13 -page 19, line 6 figures 1-3 ---	1-10,14
A	US 4 852 529 A (VOWLES ROBERT W) 1 August 1989 (1989-08-01) abstract column 2, line 12 - line 28 column 2, line 45 - line 56 column 4, line 1 - line 5 column 5, line 3 -column 6, line 6 column 6, line 43 -column 7, line 4 figures ---	1-14 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

23 May 2002

29/05/2002

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

## Authorized officer

Libeaut, L

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/AT 02/00058

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 36 00 255 A (TELEFUNKEN ELECTRONIC GMBH) 9 July 1987 (1987-07-09) the whole document ----	1-14
A	GB 2 080 877 A (NISSAN MOTOR) 10 February 1982 (1982-02-10) the whole document ----	1-14
A	DE 44 05 769 A (KEESMANN TILL) 28 September 1995 (1995-09-28) abstract page 3, line 56 -page 4, line 21 page 5, line 36 - line 52 figure 7 ----	1-14
A	PATENT ABSTRACTS OF JAPAN vol. 008, no. 116 (M-299), 30 May 1984 (1984-05-30) & JP 59 023081 A (NIPPON DENSO KK), 6 February 1984 (1984-02-06) abstract -----	1-14

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/AT 02/00058

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9848221	A	29-10-1998	AU WO US	6949298 A 9848221 A2 6382957 B1	13-11-1998 29-10-1998 07-05-2002
US 4852529	A	01-08-1989	AU AU WO BR EP JP	600717 B2 7165887 A 8705364 A1 8706092 A 0259381 A1 63502682 T	23-08-1990 28-09-1987 11-09-1987 19-01-1988 16-03-1988 06-10-1988
DE 3600255	A	09-07-1987	DE	3600255 A1	09-07-1987
GB 2080877	A	10-02-1982	JP DE	57028872 A 3129919 A1	16-02-1982 01-04-1982
DE 4405769	A	28-09-1995	DE WO EP	4405769 A1 9523283 A1 0781373 A1	28-09-1995 31-08-1995 02-07-1997
JP 59023081	A	06-02-1984	NONE		

○